

Product Data Sheet

Product Name: Malantide

Cat. No.: GC30545

Chemical Properties

Cas. No. 86555-35-3

SMILES Arg-Thr-Lys-Arg-Ser-Gly-Ser-Val-Tyr-Glu-Pro-Leu-Lys-Ile

Formula $C_{72}H_{124}N_{22}O_{21}$ M.Wt 1633.89

Solubility Soluble in Water Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

RTKRSGSVYEPLKI

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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Malantide is a dodecapeptide phosphorylated by cyclic AMP-dependent protein kinase (PKA), and increases PKA activity.

Malantide is a dodecapeptide, and increases PKA activity in a variety of tissues[1]. Malantide is phosphorylated by PKA[2].

[1]. Murray KJ, et al. Use of a synthetic dodecapeptide (malantide) to measure the cyclic AMP-dependent protein kinase activity ratio in a variety of tissues. *Biochem J.* 1990 May 1;267(3):703-8.

[2]. de Boer AR, et al. Systematic development of an enzymatic phosphorylation assay compatible with mass spectrometric detection. *Anal Bioanal Chem.* 2005 Feb;381(3):647-55.

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